Annick Stintzi

List of Publications by Citations

33 papers	3,162 citations	21 h-index	38 g-index
38 ext. papers	3,691 ext. citations	9.1 avg, IF	5.1 L-index

#	Paper	IF	Citations
33	The Arabidopsis male-sterile mutant, opr3, lacks the 12-oxophytodienoic acid reductase required for jasmonate synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 10625-30	11.5	621
32	Plant pathogenesis-related proteins and their role in defense against pathogens. *Biochimie*, **1993**, 75, 687-706	4.6	544
31	Plant defense in the absence of jasmonic acid: the role of cyclopentenones. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 12837-42	11.5	527
30	Enzymes in jasmonate biosynthesis - structure, function, regulation. *Phytochemistry*, **2009**, 70, 1532-8	4	286
29	Biosynthesis and Metabolism of Jasmonates. *Journal of Plant Growth Regulation*, **2004**, 23, 179-199	4.7	161
28	Inferring hypotheses on functional relationships of genes: Analysis of the Arabidopsis thaliana subtilase gene family. *PLoS Computational Biology*, **2005**, 1, e40	5	122
27	An OPR3-independent pathway uses 4,5-didehydrojasmonate for jasmonate synthesis. *Nature Chemical Biology*, **2018**, 14, 171-178	11.7	106
26	Jasmonic acid and its precursor 12-oxophytodienoic acid control different aspects of constitutive and induced herbivore defenses in tomato. *Plant Physiology*, **2014**, 166, 396-410	6.6	89
25	Precursor processing for plant peptide hormone maturation by subtilisin-like serine proteinases. *Science*, **2016**, 354, 1594-1597	33.3	86
24	Subtilases - versatile tools for protein turnover, plant development, and interactions with the environment. *Physiologia Plantarum*, **2012**, 145, 52-66	4.6	68
23	From structure to function - a family portrait of plant subtilases. *New Phytologist*, **2018**, 218, 901-915	9.8	52
22	The protease-associated domain and C-terminal extension are required for zymogen processing, sorting within the secretory pathway, and activity of tomato subtilase 3 (SlSBT3). *Journal of Biological Chemistry*, **2009**, 284, 14068-78	5.4	52
21	Arabidopsis PECTIN METHYLESTERASE17 is co-expressed with and processed by SBT3.5, a subtilisin-like serine protease. *Annals of Botany*, **2014**, 114, 1161-75	4.1	50
20	Phytaspase-mediated precursor processing and maturation of the wound hormone systemin. *New Phytologist*, **2018**, 218, 1167-1178	9.8	48
19	A two-way molecular dialogue between embryo and endosperm is required for seed development. *Science*, **2020**, 367, 431-435	33.3	47
18	Identification of a basic pathogenesis-related, thaumatin-like protein of virus-infected tobacco as osmotin. *Physiological and Molecular Plant Pathology*, **1991**, 38, 137-146	2.6	46
17	Jasmonate-dependent induction of polyphenol oxidase activity in tomato foliage is important for defense against Spodoptera exigua but not against Manduca sexta. *BMC Plant Biology*, **2014**, 14, 257	5.3	42

List of Publications

16	Structural basis of substrate specificity of plant 12-oxophytodienoate reductases. *Journal of Molecular Biology*, **2009**, 392, 1266-77	6.5	41
15	Peptide signaling for drought-induced tomato flower drop. *Science*, **2020**, 367, 1482-1485	33.3	38
14	The tomato subtilase family includes several cell death-related proteinases with caspase specificity. *Scientific Reports*, **2018**, 8, 10531	4.9	31
13	The subtilisin-like protease SBT3 contributes to insect resistance in tomato. *Journal of Experimental Botany*, **2016**, 67, 4325-38	7	22
12	Cell Death Control by Matrix Metalloproteinases. *Plant Physiology*, **2016**, 171, 1456-69	6.6	21
11	The Systemin Signaling Cascade As Derived from Time Course Analyses of the Systemin-responsive Phosphoproteome. *Molecular and Cellular Proteomics*, **2019**, 18, 1526-1542	7.6	16
10	Jasmonate Biosynthesis and Signaling for Induced Plant Defense against Herbivory **2008**, 349-366		15
9	A novel subtilase inhibitor in plants shows structural and functional similarities to protease propeptides. *Journal of Biological Chemistry*, **2017**, 292, 6389-6401	5.4	11
8	A Toolbox for the Analysis of Peptide Signal Biogenesis. *Molecular Plant*, **2017**, 10, 1023-1025	14.4	7
7	Post-translational maturation of IDA, a peptide signal controlling floral organ abscission in Arabidopsis. *Communicative and Integrative Biology*, **2018**, 11, e1395119	1.7	5
6	cDNA Cloning and Expression Studies of Tobacco Class III Chitinase-Lysozymes. *Developments in Plant Pathology*, **1993**, 312-315		5
5	Plant Genes Involved in Resistance to Viruses **1991**, 153-166		1
4	Identification of Cognate Protease/Substrate Pairs by Use of Class-Specific Inhibitors.. *Methods in Molecular Biology*, **2022**, 2447, 67-81	1.4	1
3	Processing of a plant peptide hormone precursor facilitated by posttranslational tyrosine sulfation.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2201195119	11.5	0
2	Biological Activity of PR-Proteins from Tobacco; Characterization of a Proteinase Inhibitor. *Current Plant Science and Biotechnology in Agriculture*, **1991**, 399-402		
1	Peptide Backbone Modifications for the Assessment of Cleavage Site Relevance in Precursors of Signaling Peptides.. *Methods in Molecular Biology*, **2022**, 2447, 83-93	1.4	